**Weather Instrument Presentation Rubric**

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| **Category** | **Exemplary 4** | **Proficient 3** | **Developing 2** | **Emerging 1** | **No Evidence 0** |
| **Basic information on weather instrument including: (10%)**   * Name of instrument * What is measures | All basic facts noted in presentation are accurate. Student includes relevant, and factual information other than the required information that enhances the understanding for the viewers. | All basic facts noted in presentation are accurate. | Most basic facts noted in presentation are accurate. | Some basic facts noted in presentation are accurate. | No basic facts in project and presentation are accurate. |
| **Explanation of how weather instrument was made: (20%)**  Explain the materials you used to make your instrument and how you made it. | Student provides a detailed and thorough explanation of how the weather instrument was made. Student includes relevant, and factual information other than the required information that enhances the understanding for the viewer. | Student provides a detailed and thorough explanation of the how the weather instrument was made. | Student provides an explanation of how the weather instrument was made. | Student provides a minimal explanation of how the weather instrument was made. | Student does not provide an explanation of how the weather instrument was made. |
| **Explanation of how it works and why it works: (20%)**  Explain how the instrument works and why it works. | Student provides a detailed and thorough explanation of how the weather instrument works and why it works. Student includes relevant, and factual information other than the required information that enhances the understanding for the viewer. | Student provides a detailed and thorough explanation of the how the weather instrument works and why it works. | Student provides an explanation of how the weather instrument works and why it works. | Student provides a minimal explanation of how the weather instrument works and why it works. | Student does not provide an explanation of how the weather instrument works and why it works. |
| **Explanation of how and why scientists use it in the field:** **(20%)**  Explain how and why scientists use it in the field. | Student provides a detailed and thorough explanation of how and why scientists use the weather instrument in the field. Student includes relevant, and factual information other than the required information that enhances the understanding for the viewer. | Student provides a detailed and thorough explanation of the how and why scientists use the weather instrument in the field. | Student provides an explanation of how and why scientists use the weather instrument in the field. | Student provides a minimal explanation of how and why scientists use the weather instrument in the field. | Student does not provide an explanation of how and why scientist use the weather instrument in the field. |
| **Knowledge Gained (10%)** | Student can accurately answer all questions related to facts in the presentation in his or her own words. Responses also include thoughtful personal insight. The viewer is convinced the student is an “expert” on the weather instrument. | Student can accurately answer all questions related to facts in the presentation in his or her own words. | The student can accurately answer most questions related to facts in the presentation. | The student can accurately answer some questions related to facts in the presentation. | The student can accurately answer no questions related to facts in the presentation. |
| **Balance (20%)** | It is evident that all members put in an equal amount of work and researched beyond the required amount of work. | It is evident that all members put in an equal amount of work. | It is evident that one member put in more work than the others. | It is evident one member put in significantly more work than the others. | None of the members completed any work. |